

**SECTION 12.16**  
**BLACK EPOXY RESIN PAVEMENT MARKINGS**  
**BLACK EPOXY RESIN SYMBOLS AND LEGENDS**

**12.16.01 - Description:** This item shall consist of furnishing and installing black epoxy resin pavement markings of the width specified and black epoxy resin symbols and legends to cover existing markings in accordance with this provision and in conformance with the plans or as directed by the Engineer.

The black epoxy resin pavement markings and black epoxy resin symbols and legends shall be a highly durable, skid resistant, non-reflective material designed to cover existing pavement markings.

The black epoxy resin pavement marking material, when applied according to the recommendations of the manufacturer, shall provide a neat, durable masking that will not flow or distort. The black epoxy resin pavement marking material shall be weather resistant and, through normal traffic wear, shall show no wearing which would significantly impair the intended usage.

**12.16.02 - Materials:** Materials for this work shall conform to the requirements of Article M.07.25.

**12.16.03 - Construction Methods:** The black epoxy resin pavement markings and black epoxy resin symbols and legends shall be applied strictly in accordance with the manufacturer's recommendations and installed as shown on the plans and to the control points as established by the Engineer.

The areas to be covered shall be dry and sufficiently cleaned of sand and debris so as to provide an acceptable bond. All surfaces which are power washed shall be allowed to dry sufficiently prior to the application of the epoxy markings. The areas that have been pre-marked shall be broom cleaned immediately prior to the application of the epoxy markings.

Operations shall be conducted only when the road surface temperatures are 0° C or greater. Operations shall be discontinued during periods of rain, and shall not continue until the Engineer determines that the roadway surface is dry enough to achieve adhesion.

Black aggregate shall be applied at a rate of 12 kilograms per liter of black epoxy pavement marking material. The black aggregate shall be applied using a double drop bead system, with each drop distributing 6 kilograms per liter of black epoxy pavement marking material.

The black epoxy resin pavement markings shall extend approximately 25 mm beyond the edges of the existing markings which are to be covered.

After application, the pavement markings shall be protected from crossing vehicles for a time at least equivalent to the drying time of the material, as specified by the manufacturer.

**12.16.04 - Method of Measurement:** Black epoxy resin pavement markings shall be measured for payment by the actual number of meters of black epoxy resin pavement markings installed and accepted by the Engineer. Black epoxy resin symbols and legends shall be measured for payment by the actual number of square meters of black epoxy resin symbols and legends installed and accepted by the Engineer.

**12.16.05 - Basis of Payment:** This work shall be paid for at the contract unit price per meter for "Black Epoxy Resin Pavement Markings" of the width specified and/or the contract unit price per square meter for "Black Epoxy Resin Symbols and Legend" installed on the pavement and accepted. This price shall be for all the work required by this section including the cleaning and preparing of the pavement surface, and all materials, equipment, tools, and labor incidental thereto.

Any black epoxy pavement marking material which is not effective, in the opinion of the Engineer, shall be replaced by the Contractor at no cost to the State.

Pay Item	Pay Unit
(Width) Black Epoxy Resin Pavement Markings	m
Black Epoxy Resin Symbols and Legends	m <sup>2</sup>